

ABSTRACT OF THE DISCLOSURE

A method and apparatus for processing security operations are described. In one embodiment, a processor includes a number of execution units to process a number of requests for security operations. The number of execution units are to output the results of the number of requests to a number of output data structures associated with the number of requests within a remote memory based on pointers stored in the number of requests. The number of execution units can output the results in an order that is different from the order of the requests in a request queue. The processor also includes a request unit coupled to the number of execution units. The request unit is to retrieve a portion of the number of requests from the request queue within the remote memory and associated input data structures for the portion of the number of requests from the remote memory. Additionally, the request unit is to distribute the retrieved requests to the number of execution units based on availability for processing by the number of execution units.